

**ABSTRACT**

A device is described for the correction of the power factor in power supply units with forced switching operating in transition mode. Said device comprises a converter and a control device coupled with said converter so as to obtain a regulated voltage on the output terminal from an alternating network input voltage. The converter comprises a power transistor whilst the control device comprises a pilot circuit suitable for determining the switch-on time and the switch-off time of the power transistor. The control device furthermore comprises control means coupled with said pilot circuit and with said converter and capable of prolonging the switch-on time of the power transistor at the instants of time wherein the alternating network voltage substantially takes on the value zero.

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